

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	11/247814	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 09:12
L4	2292	(float\$4 adj (gate or electrode)) and (control\$4 adj (gate or electrode)) and (protrud\$4 or protrus\$4 or excus\$4 or elevat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 09:16
L5	12	((float\$4 adj (gate or electrode)) and (control\$4 adj (gate or electrode))) near (protrud\$4 or protrus\$4 or excus\$4 or elevat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 09:22
L6	2	("20060208279").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/26 09:22
S1	0	(enhanc\$7 adj mode adj pHEMT adj transistor) and (deplet\$7 adj mode adj pHEMT adj transistor) and (power\$7 adj mode adj pHEMT adj transistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 08:57
S2	0	(enhanc\$7 adj pHEMT adj transistor) and (deplet\$7 adj pHEMT adj transistor) and (power\$7 adj pHEMT adj transistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 11:27
S3	0	(enhanc\$7 adj pHEMT) and (deplet\$7 adj pHEMT) and (power\$7 adj pHEMT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/25 14:11
S4	0	((enhanc\$7) and (deplet\$7) and (power\$7)) adj pHEMT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/25 14:13

## EAST Search History

S5	7854	(enhancement) and (depletion) and (power)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/25 14:12
S6	29	S5 and pHEMT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/25 14:14
S7	7853	(enhancement) and (depletion) and (power)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/28 06:36
S8	29	S7 and pHEMT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 11:27
S9	29	S8 and @ad<="20031204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 11:29
S10	7853	(enhancement) and (depletion) and (power)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/28 09:40
S11	62	S10 and (pseudomorphic or ("pHEMT"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 12:39
S12	4	((("6,841,817") or ("6,165,622")). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/16 08:51

## EAST Search History

S13	4	((("6350644") or ("5998236"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 14:14
S14	6	((("6350644") or ("5998236") or ("5576564"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 12:30
S15	7946	(enhancement) and (depletion) and (power)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/13 13:02
S16	64	S15 and (pseudomorphic or ("pHEMT"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/13 12:16
S17	610	(enhancement) and (depletion) and (power) and (analog adj5 digital)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/13 13:03
S18	10	(enhancement) and (depletion) and (power) and (analog adj5 digital) and (pseudomorphic or ("pHEMT"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/13 13:07
S19	231	(438/167).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/16 08:39
S20	2	("6222210").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/05 13:33

## EAST Search History

S21	14	((("6797994") or ("6703638") or ("6620662") or ("6593603") or ("6573129") or ("6542037") or ("20020177261") or ("6307221") or ("6271547") or ("6248666") or ("6242293") or ("5364816") or ("5339083") or ("5270228"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/24 12:31
S22	1	("20050124100").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/24 12:31
S23	542	((enhanc\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) and (((deplet\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) and (((power\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 12:43
S24	202	((enhanc\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) and (((deplet\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) and (((power\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) and (substrate with ((gallium adj arsenide) or ("GaAs")))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 12:47
S25	181	((enhanc\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) and (((deplet\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) and (((power\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) and (substrate with ((gallium adj arsenide) or ("GaAs")))) and @ad<="20031204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 12:48

## EAST Search History

S26	45	(((((enhanc\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))) and (((deplet\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))) and (((power\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))) with (substrate with ((gallium adj arsenide) or ("GaAs")))) and @ad<="20031204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 12:42
S27	7	("4338618") or ("4404575") or ("6657255") or ("4095252") or ("20050067631") or ("6861678") or ("6909125")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/04 13:06
S28	49	(((((enhanc\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))) and (((deplet\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))) and (((power\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))) with (substrate with ((gallium adj arsenide) or ("GaAs")))) and @ad<="20031204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 12:46
S29	49	(((((enhanc\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))) with (((deplet\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))) with (((power\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))) with (substrate with ((gallium adj arsenide) or ("GaAs")))) and @ad<="20031204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 12:43

## EAST Search History

S30	94	((((enhanc\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) same (((deplet\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) same (((power\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) same (substrate same ((gallium adj arsenide) or ("GaAs")))) and @ad<="20031204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 12:44
S31	0	((((enhanc\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) near (((deplet\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) near (((power\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) near (substrate near ((gallium adj arsenide) or ("GaAs")))) and @ad<="20031204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 12:44
S32	2	((((enhanc\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) near (((deplet\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) near (((power\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) and (substrate and ((gallium adj arsenide) or ("GaAs")))) and @ad<="20031204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 12:44
S33	94	((((enhanc\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) and (((deplet\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) and (((power\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")) same (substrate same ((gallium adj arsenide) or ("GaAs")))) and @ad<="20031204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 12:46

## EAST Search History

S34	2	(((((enhanc\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))) and (((deplet\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT"))) and (((power\$5 adj mode) adj (pseudomorphic adj high adj electron adj mobility adj transistor)) or ("pHEMT")))) near (substrate near ((gallium adj arsenide) or ("GaAs")))) and @ad<="20031204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 12:46
S35	2	((("5453631") or ("5449928"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/04 13:14
S36	14	((("6797994") or ("6703638") or ("6620662") or ("6593603") or ("6573129") or ("6542037") or ("20020177261") or ("6307221") or ("6271547") or ("6248666") or ("6242293") or ("5364816") or ("5339083") or ("5270228"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/04 13:23
S37	1	("6670652").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/05 07:29
S38	2	("4663643"   "5959317").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/04 13:21
S39	0	("6797994" "6703638" "6620662" "6593603" "6573129" "6542037" "6670652" "6307221" "6271547" "6248666" "6242293" "5364816" "5339083" "5270228").pn. and power and enhance and deletion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 13:24
S40	26	("6797994" "6703638" "6620662" "6593603" "6573129" "6542037" "6670652" "6307221" "6271547" "6248666" "6242293" "5364816" "5339083" "5270228").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/04 13:25
S41	14	("6797994" "6703638" "6620662" "6593603" "6573129" "6542037" "6670652" "6307221" "6271547" "6248666" "6242293" "5364816" "5339083" "5270228").pn.	USPAT	OR	ON	2006/04/04 13:25
S42	0	("6797994" "6703638" "6620662" "6593603" "6573129" "6542037" "6670652" "6307221" "6271547" "6248666" "6242293" "5364816" "5339083" "5270228").pn. and power and enhanc\$5 and delet\$4	USPAT	OR	ON	2006/04/04 13:26

## EAST Search History

S43	0	("6797994" "6703638" "6620662" "6593603" "6573129" "6542037" "6670652" "6307221" "6271547" "6248666" "6242293" "5364816" "5339083" "5270228" "5453631" "5449928").pn. and power and enhanc\$5 and delet\$4	USPAT	OR	ON	2006/04/04 13:27
S44	0	("6797994" "6703638" "6620662" "6593603" "6573129" "6542037" "6670652" "6307221" "6271547" "6248666" "6242293" "5364816" "5339083" "5270228" "5453631" "5449928" "4338618" "4404575" "6657255" "4095252" "6861678" "6909125").pn. and power and enhanc\$5 and delet\$4	USPAT	OR	ON	2006/04/04 13:28
S45	20	("6797994" "6703638" "6620662" "6593603" "6573129" "6542037" "6670652" "6307221" "6271547" "6248666" "6242293" "5364816" "5339083" "5270228" "5453631" "5449928" "4338618" "4404575" "6657255" "4095252" "6861678" "6909125").pn.	USPAT	OR	ON	2006/04/04 13:28
S46	22	("6797994" "6703638" "6620662" "6593603" "6573129" "6542037" "6670652" "6307221" "6271547" "6248666" "6242293" "5364816" "5339083" "5270228" "5453631" "5449928" "4338618" "4404575" "6657255" "4095252" "6861678" "6909125").pn.	USPAT	OR	ON	2006/04/04 13:30
S47	0	("6797994" "6703638" "6620662" "6593603" "6573129" "6542037" "6670652" "6307221" "6271547" "6248666" "6242293" "5364816" "5339083" "5270228" "5453631" "5449928" "4338618" "4404575" "6657255" "4095252" "6861678" "6909125").pn. and power and enhanc\$5 and delet\$4	USPAT	OR	ON	2006/04/04 13:31
S48	2967	(integrated adj circuit) and power and enhanc\$5 and delet\$4	USPAT	OR	ON	2006/04/04 13:31
S49	4910	(integrated adj circuit) and ((power or enhanc\$5 or delet\$4) adj mode)	USPAT	OR	ON	2006/04/05 13:38
S50	17	(integrated adj circuit) near ((power or enhanc\$5 or delet\$4) adj mode)	USPAT	OR	ON	2006/04/05 13:38
S51	1	("6984853").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/05 07:29
S52	1	("20040122840").PN.	US-PGPUB	OR	OFF	2006/04/05 13:32



## EAST Search History

S53	3	((("5,030,852") or ("5,633,610") or ("5304825"))).PN.	USPAT	OR	OFF	2006/04/05 13:36
S54	5	((("5,030,852") or ("5,633,610") or ("5304825") or ("20020177261") or ("6,593,603"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/05 13:36
S55	1567	(integrated adj circuit) and ((power or enhanc\$5 or delet\$4) adj mode) and analog and digital	USPAT	OR	ON	2006/04/05 13:38
S56	976	(integrated adj circuit) and ((power or enhanc\$5 or delet\$4) adj mode) and analog and digital and converter	USPAT	OR	ON	2006/04/05 13:39
S57	1067	(integrated adj circuit) and ((power or enhanc\$5 or deplet\$3) adj mode) and analog and digital and converter	USPAT	OR	ON	2006/04/05 13:40
S58	714	(integrated adj circuit) and ((power or enhanc\$5 or deplet\$3) adj mode) and analog and digital and converter and transistor	USPAT	OR	ON	2006/04/05 13:40
S59	698	(integrated adj circuit) and ((power or enhancement or depletion) adj mode) and analog and digital and converter and transistor	USPAT	OR	ON	2006/04/05 13:41
S60	48	(integrated adj circuit) and ((power or enhancement or depletion) adj mode) and analog and digital and converter and transistor and recess	USPAT	OR	ON	2006/04/05 13:43
S61	48	(integrated adj circuit) and ((power or enhancement or depletion) adj mode) and analog and digital and converter and transistor and recess and @ad<="20031204"	USPAT	OR	ON	2006/04/05 13:44
S62	33	(integrated adj circuit) and ((power or enhancement or depletion) adj mode) and analog and digital and converter and transistor and recess and @ad<="20031204" and substrate	USPAT	OR	ON	2006/04/05 13:47
S63	32	(integrated adj circuit) and ((power or enhancement or depletion) adj mode) and analog and digital and converter and transistor and recess and @ad<="20031204" and substrate and gallium	USPAT	OR	ON	2006/04/05 13:47

## EAST Search History

S64	48	("pHEMT" adj transistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 12:57
S65	48	((("pHEMT") adj transistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 14:04
S66	7	S65 and (enhanc\$7) and (deplet\$7) and (power)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 12:59
S67	3	S65 and (enhanc\$4) and (deplet\$4) and (power)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 13:07
S68	18	("4229752"   "4424525"   "4584697"   "4683484"   "4806997"   "4827320"   "4899200"   "4949350"   "4995061"   "5010374"   "5105248"   "5202896"   "5386128"   "5422501"   "5517244"   "5698900"   "6031243"   "6351001").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 13:08
S69	1	((("4229752"   "4424525"   "4584697"   "4683484"   "4806997"   "4827320"   "4899200"   "4949350"   "4995061"   "5010374"   "5105248"   "5202896"   "5386128"   "5422501"   "5517244"   "5698900"   "6031243"   "6351001").PN.) and (enhanc\$7) and (deplet\$7) and (power)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 13:09
S70	725	("pHEMT")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 11:27

## EAST Search History

S71	76	(S70 and (enhanc\$5) and (deplet\$5) and (power\$3)) and transistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 11:28
S72	57	S71 and @ad<="20031204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 11:29
S73	2	(enhance\$4 adj10 ("pHEMT")) and (power adj10 ("pHEMT")) and (deplet\$5 adj10 ("pHEMT"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 14:05
S74	2	((("20020171076") or ("6703638")).PN.	US-PGPUB; USPAT	OR	OFF	2007/02/23 14:14
S75	20	("4742379"   "4792832"   "5021857"   "5041393"   "5060030"   "5091759"   "5140386"   "5262660"   "5270228"   "5272109"   "5330932"   "5372675"   "5504353"   "5514605"   "5521404"   "5641977"   "5760427"   "5811844"   "5854090"   "6258639").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/23 14:15